BIOCHIP SCANNER DEVICE

ABSTRACT OF THE DISCLOSURE

A biochip scanner device includes a light source for emitting a light beam; a light processing unit for focusing the light beam onto the biochip to excite fluorescence from a fluorescent target on the biochip; a filter for filtering off the light beam from the light source; a photomultiplier tube (PMT) for detecting and converting the fluorescence into an electrical signal; and an output device for outputting/displaying the electrical signal detected by the PMT. No conversion of the output signal of the output device into image data is needed. A real-time analysis proceeds while samples are being scanned on the biochip. The biochip scanner device of the present invention reads the electrical signal from PMT directly without processing it into image data and setting lens before the PMT is no longer needed. As a result, the structure of the device is simplified and the cost for production is reduced.